

Simplify.

1. $\frac{x^2 + 5x - 6}{x^2 - 4x - 12} + \frac{3}{x + 2}$

2. $\frac{3x - 1}{x^2 + 6x + 8} - \frac{5}{x + 2}$

3. $\frac{3x}{x^2 - x - 12} + \frac{4}{x + 3}$

4. $\frac{6}{x^2 - 3x + 2} - \frac{5}{x^2 - 4}$

5. $\frac{-2x}{2x^2 - 18} + \frac{3x}{x^2 - 4}$

6. $\frac{6x - 1}{3x + 5} - \frac{2x + 1}{3x - 5}$

$$7. \frac{x}{x^2-9} + \frac{1}{3-x} - \frac{2}{3+x}$$

$$8. \frac{2}{x^2-x-6} + \frac{5}{x-3}$$

$$9. \frac{3x}{x^2+x-2} + \frac{2x}{x^2-1}$$

$$10. \frac{4}{x-1} - \frac{3x}{1-x} + \frac{2}{x+1}$$

$$11. \frac{6x}{x^2-36} + \frac{x-6}{x+6}$$

$$12. \frac{5x}{x-1} - \frac{3}{x}$$